

## Cumulative contents

### Volume 28, No. 1, July 1992

#### Papers

A. Ertüzün, A.H. Kayran and E. Panayirci An improved 2-D lattice filter and its entropy relations .....	1
D.T.M. Slock and T. Kailath A modular multichannel multiexperiment fast transversal filter RLS algorithm .....	25
D.T.M. Slock and T. Kailath A modular prewindowing framework for covariance FTF RLS algorithms .....	47
C. Doncarli, L. Goerig and P. Guiheneuc Adaptive smoothing of evoked potentials .....	63
R.C. Kim and S.U. Lee Entropy constrained predictive vector quantization of speech .....	77
S. Chen and B. Mulgrew Overcoming co-channel interference using an adaptive radial basis function equaliser .....	91
Y. Hua and T.K. Sarkar Parameter estimation of multiple transient signals .....	109
<b>Short communication</b>	
S.M. Jesus A mode subspace approach for source localization in shallow water .....	117
<b>Announcements and calls for papers</b> .....	123

### Volume 28, No. 2, August 1992

#### Papers

A. Aldroubi, M. Unser and M. Eden Cardinal spline filters: Stability and convergence to the ideal sinc interpolator .....	127
N. Xiang Using <i>M</i> -sequences for determining the impulse responses of LTI-systems .....	139
A. Chimienti, M. Lavorgna, R. Picco and M. Talierno Matrix multiplier transform analysis and design of a general purpose transformer .....	153
H. Messer Source localization performance and the array beampattern .....	163
J.C. Son, S.Y. Kim, I. Song and H.M. Kim A fuzzy set theoretic approach to weak known-signal detection .....	183
S.C. Scouler and W.J. Fitzgerald Periodic nonuniform sampling of multiband signals .....	195
S. Saoudi, J.M. Boucher and A. Le Guyader A new efficient algorithm to compute the LSP parameters for speech coding .....	201
B.-S. Chen and T.-Y. Yang Design of optimal digital differentiator using algebraic methods .....	213
<b>Thesis alert</b> .....	225

**Volume 28, No. 3, September 1992***Special Issue on Multidimensional Signal Processing***Papers**

A.M. Tekalp	
Editorial .....	227
Biography .....	229
A.M. Tekalp	
The Seventh MDSP Workshop .....	231
B. Girod	
Psychovisual aspects of image communication .....	239
M.A. Rahgozar and J.P. Allebach	
A general theory of time-sequential sampling .....	253
F. Bosveld, R.L. Lagendijk and J. Biemond	
Compatible spatio-temporal subband encoding of HDTV .....	271
I.M. Abdelqader, S.A. Rajala, W.E. Snyder and G.L. Bilbro	
Energy minimization approach to motion estimation .....	291
T.M. Chin, W.C. Karl and A.S. Willsky	
Sequential filtering for multi-frame visual reconstruction .....	311
A.K. Bhattacharjya, D.E. Becker and B. Roysam	
A genetic algorithm for intelligent imaging from quantum-limited data .....	335
Author index .....	349
Cumulative contents .....	351

